



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 172217

TO: Patricia Duffy
Location: REM-3B05&3C18
Art Unit: 1645
Wednesday, November 30, 2005
Case Serial Number: 09/900766

From: Toby Port
Location: Biotech-Chem Library
REM-1A59
Phone: 571-272-2523

toby.port@uspto.gov

Search Notes

Examiner Duffy,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Toby Port
X22523

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STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library, Remsen Bldg.



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STIC-Biotech/ChemLib

172217

From: Duffy, Patricia
Sent: Tuesday, November 22, 2005 4:05 PM
To: STIC-Biotech/ChemLib
Subject: sequence search - interference only 09/900,766

Importance: High

In re:09/900,766

Please search SEQ ID NO:7. Interference search only

Patricia A. Duffy, Ph.D.
Art Unit 1645
Remsen 3B05; Mailbox 3C18
571-272-0855

CRFE

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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OM protein - protein search, using sw model

Run on: November 25, 2005, 20:46:25 ; Search time 24 Seconds
(without alignments)
802.643 Million cell updates/sec

Title: US-09-900-766-7
Perfect score: 1238
Sequence: 1 SEKSEINEKDLRKKSSELR.....RDNKTINSENLHIDLYLTTT 233

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5-COMB.pep.*
2: /cgn2_6/prodata/1/iaa/6-COMB.pep.*
3: /cgn2_6/prodata/1/iaa/H-COMB.pep.*
4: /cgn2_6/prodata/1/iaa/PCITUS-COMB.pep.*
5: /cgn2_6/prodata/1/iaa/RE-COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|-------------------|
| 1 | 1238 | 100.0 | 233 | US-08-695-692B-8 | Sequence 8, Appli |
| 2 | 1238 | 100.0 | 257 | US-08-486-099-112 | Sequence 112, App |
| 3 | 1238 | 100.0 | 257 | US-08-360-107A-122 | Sequence 122, App |
| 4 | 1238 | 100.0 | 257 | US-08-484-223B-112 | Sequence 112, App |
| 5 | 1238 | 100.0 | 257 | US-08-919-597-112 | Sequence 112, App |
| 6 | 1238 | 100.0 | 257 | US-08-475-668A-112 | Sequence 112, App |
| 7 | 1238 | 100.0 | 257 | US-08-485-551A-112 | Sequence 112, App |
| 8 | 1238 | 100.0 | 257 | US-08-471-913A-112 | Sequence 112, App |
| 9 | 1238 | 100.0 | 257 | US-08-485-264A-112 | Sequence 112, App |
| 10 | 1238 | 100.0 | 257 | US-08-474-349A-112 | Sequence 112, App |
| 11 | 1238 | 100.0 | 257 | US-08-470-896-112 | Sequence 112, App |
| 12 | 1238 | 100.0 | 257 | US-08-485-546A-112 | Sequence 112, App |
| 13 | 1238 | 100.0 | 257 | US-08-487-266A-112 | Sequence 112, App |
| 14 | 1238 | 100.0 | 257 | US-08-484-741-112 | Sequence 112, App |
| 15 | 1202 | 97.1 | 254 | US-09-350-841A-1598 | Sequence 1598, Ap |
| 16 | 1171 | 94.6 | 226 | US-08-896-933-24 | Sequence 24, Appl |
| 17 | 1171 | 94.6 | 226 | US-09-314-235-24 | Sequence 24, Appl |
| 18 | 1171 | 94.6 | 226 | US-09-708-008B-24 | Sequence 24, Appl |
| 19 | 1023 | 82.6 | 233 | US-08-695-692B-7 | Sequence 7, Appli |
| 20 | 1023 | 82.6 | 257 | US-08-486-099-113 | Sequence 113, App |
| 21 | 1023 | 82.6 | 257 | US-08-360-107A-123 | Sequence 123, App |
| 22 | 1023 | 82.6 | 257 | US-08-484-223B-113 | Sequence 113, App |
| 23 | 1023 | 82.6 | 257 | US-08-919-597-113 | Sequence 113, App |
| 24 | 1023 | 82.6 | 257 | US-08-475-668A-113 | Sequence 113, App |
| 25 | 1023 | 82.6 | 257 | US-08-485-551A-113 | Sequence 113, App |
| 26 | 1023 | 82.6 | 257 | US-08-471-913A-113 | Sequence 113, App |
| 27 | 1023 | 82.6 | 257 | US-08-485-264A-113 | Sequence 113, App |

| | | | | | | |
|----|--------|------|-----|---|---------------------|-------------------|
| 28 | 1023 | 82.6 | 257 | 2 | US-08-474-349A-113 | Sequence 113, App |
| 29 | 1023 | 82.6 | 257 | 2 | US-08-470-896-113 | Sequence 113, App |
| 30 | 1023 | 82.6 | 257 | 2 | US-08-485-546A-113 | Sequence 113, App |
| 31 | 1023 | 82.6 | 257 | 2 | US-08-487-266A-113 | Sequence 113, App |
| 32 | 1023 | 82.6 | 257 | 2 | US-08-484-741-113 | Sequence 113, App |
| 33 | 1019 | 82.3 | 233 | 1 | US-08-446-918A-4 | Sequence 4, Appli |
| 34 | 1019 | 82.3 | 233 | 1 | US-08-580-806-4 | Sequence 4, Appli |
| 35 | 1003.5 | 81.1 | 232 | 2 | US-08-896-933-23 | Sequence 23, Appl |
| 36 | 1003.5 | 81.1 | 232 | 2 | US-09-314-235-23 | Sequence 23, Appl |
| 37 | 1003.5 | 81.1 | 232 | 2 | US-09-708-008B-23 | Sequence 23, Appl |
| 38 | 1000 | 80.8 | 257 | 2 | US-09-144-776B-2 | Sequence 2, Appli |
| 39 | 1000 | 80.8 | 257 | 2 | US-08-882-431B-2 | Sequence 2, Appli |
| 40 | 996 | 80.5 | 233 | 2 | US-09-144-776B-4 | Sequence 4, Appli |
| 41 | 996 | 80.5 | 233 | 2 | US-08-882-431B-4 | Sequence 4, Appli |
| 42 | 926.5 | 74.8 | 252 | 2 | US-09-350-841A-1599 | Sequence 1599, Ap |
| 43 | 657 | 53.1 | 228 | 2 | US-08-896-933-25 | Sequence 25, Appl |
| 44 | 657 | 53.1 | 228 | 2 | US-09-314-235-25 | Sequence 25, Appl |
| 45 | 657 | 53.1 | 228 | 2 | US-09-708-008B-25 | Sequence 25, Appl |

ALIGNMENTS

RESULT 1
US-08-695-692B-8
; Sequence 8, Application US/08695692B
; Patent No. 651498
; GENERAL INFORMATION:
; APPLICANT: Per Antonsson, Per Bjork, Mikael Dohlsten,
; APPLICANT: Johan Hansson, Terje Kalland, Lars
; APPLICANT: Abrahamson and Goran Forsberg
; TITLE OF INVENTION: MODIFIED/CHIMERIC SUPERANTIGENS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pravel, Hewitt, Kimball & Krieger
; STREET: 1177 West Loop South, 10th Floor
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77027-9095
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/695,692B
; FILING DATE: August 12, 1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 9601245-5
; FILING DATE: March 29, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Krieger, Paul E.
; REGISTRATION NUMBER: 25,886
; REFERENCE/DOCKET NUMBER: 41986/1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 713-850-0909
; TELEFAX: 713-850-0165
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-695-692B-8

Query Match 100.0%; Score 1238; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 1.8e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKKSSELRNLSNLRIQYYNEKAITENKESDDQFLNTLLFKGFTG 60

Db 1 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
QY 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
Db 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
QY 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
QY 181 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLYLTT 233
Db 181 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLYLTT 233

RESULT 2
US-08-486-099-112
; Sequence 112, Application US/08486099
; Patent No. 6013263
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
; TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HEPATITIS
; TITLE OF INVENTION: B VIRUS TRANSMISSION
; NUMBER OF SEQUENCES: 209
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,099
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-031
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-486-099-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
Db 25 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84

QY 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYYGYQCAGTGNKTACMYGGVTLHDNNRLT 144
QY 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 145 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204
QY 181 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLYLTT 233
Db 205 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLYLTT 257

RESULT 3
US-08-360-107A-122
; Sequence 122, Application US/08360107A
; Patent No. 6017536
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION
; TITLE OF INVENTION: OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
; NUMBER OF SEQUENCES: 149
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/360,107A
; FILING DATE: 20-DEC-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 122:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-360-107A-122

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
Db 25 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84
QY 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYYGYQCAGTGNKTACMYGGVTLHDNNRLT 144

QY 121 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 180
| | | | |
DB 145 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 204
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QY 181 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLVLTYTT 233
| | | | |
DB 205 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLVLTYTT 257
| | | | |

RESULT 4
US-08-484-223B-112
; Sequence 112, Application US/08484223B
; Patent No. 6020459
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Pettaway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
; TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
; TITLE OF INVENTION: TRANSMISSION
; NUMBER OF SEQUENCES: 245
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,223B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-029
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-484-223B-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKKSSELQARNLSNLRIQYYNEKAITENKESDDQFLENTLLFKGFFTG 60
| | | | |
DB 25 SEKSEINEKDLRKKSSELQARNLSNLRIQYYNEKAITENKESDDQFLENTLLFKGFFTG 84
| | | | |
QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTCMYGGVTLHDNNRLT 120
| | | | |
DB 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTCMYGGVTLHDNNRLT 144
| | | | |
QY 121 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 180
| | | | |

DB 145 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 204
| | | | |
QY 181 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLVLTYTT 233
| | | | |
DB 205 RGLIVFHSSEGSTVSVDLFDAGQYPTDLLRIYRDNKTINSENHLIDLVLTYTT 257
| | | | |
RESULT 5
US-08-919-597-112
; Sequence 112, Application US/08919597
; Patent No. 6054265
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Pettaway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION
; TITLE OF INVENTION: OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
; TITLE OF INVENTION: TRANSMISSION
; NUMBER OF SEQUENCES: 273
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/919,597
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470,896
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-020
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-919-597-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKKSSELQARNLSNLRIQYYNEKAITENKESDDQFLENTLLFKGFFTG 60
| | | | |
DB 25 SEKSEINEKDLRKKSSELQARNLSNLRIQYYNEKAITENKESDDQFLENTLLFKGFFTG 84
| | | | |
QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTCMYGGVTLHDNNRLT 120
| | | | |
DB 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTCMYGGVTLHDNNRLT 144
| | | | |
QY 121 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 180
| | | | |

Db 145 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTVSVDLFDAGQVPTDLLRIYRDNKTINSENHLIDLYLTT 233

Db 205 RGLIVFHSSEGSTVSVDLFDAGQVPTDLLRIYRDNKTINSENHLIDLYLTT 257

RESULT 6

US-08-475-668A-112

; Sequence 112, Application US/08475668A

; Patent No. 6060065

; GENERAL INFORMATION:

; APPLICANT: Barney, Shawn O.

; APPLICANT: Lambert, Dennis M.

; APPLICANT: Petteway, Stephen R.

; APPLICANT: Langlois, Alphonse J.

; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF MEMBRANE

; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING INFLUENZA VIRUS

; TITLE OF INVENTION: TRANSMISSION

; NUMBER OF SEQUENCES: 211

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; FILING DATE: 07-JUN-1995

; APPLICATION NUMBER: US/08/475,668A

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A.

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7872-026

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-9741/8864

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 112:

; LENGTH: 257 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-475-668A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;

Best Local Similarity 100.0%; Pred. No. 2e-118;

Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKKSELQNALSNLRQIYYNYNEKAITENKESDDQFLNTLLFKGFFTG 60

Db 25 SEKSEINEKDLRKKSELQNALSNLRQIYYNYNEKAITENKESDDQFLNTLLFKGFFTG 84

QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTCMYGGVTLHDNNRLT 120

Db 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTCMYGGVTLHDNNRLT 144

QY 121 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 180

Db 145 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTVSVDLFDAGQVPTDLLRIYRDNKTINSENHLIDLYLTT 233

Db 205 RGLIVFHSSEGSTVSVDLFDAGQVPTDLLRIYRDNKTINSENHLIDLYLTT 257

RESULT 7

US-08-485-551A-112

; Sequence 112, Application US/08485551A

; Patent No. 6068973

; GENERAL INFORMATION:

; APPLICANT: Bolognesi, Dani P.

; APPLICANT: Matthews, Thomas J.

; APPLICANT: Wild, Carl T.

; APPLICANT: Barney, Shawn O.

; APPLICANT: Lambert, Dennis M.

; APPLICANT: Petteway, Stephen R.

; APPLICANT: Langlois, Alphonse J.

; TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE

; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING INFLUENZA VIRUS

; TITLE OF INVENTION: TRANSMISSION

; NUMBER OF SEQUENCES: 211

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; FILING DATE: 07-JUN-1995

; APPLICATION NUMBER: US/08/485,551A

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A.

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7872-023

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-9741/8864

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 112:

; LENGTH: 257 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-485-551A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;

Best Local Similarity 100.0%; Pred. No. 2e-118;

Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKKSELQNALSNLRQIYYNYNEKAITENKESDDQFLNTLLFKGFFTG 60

Db 25 SEKSEINEKDLRKKSELQNALSNLRQIYYNYNEKAITENKESDDQFLNTLLFKGFFTG 84

QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTCMYGGVTLHDNNRLT 120

Db 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTCMYGGVTLHDNNRLT 144

QY 121 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 180

Db 145 BEKKVPINLWIDGKQTTVPIDKVTSSKEVTVQELDLQARHYLHGKFGLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTVSVDLFDAGQVPTDLLRIYRDNKTINSENHLIDLYLTT 233

Db 205 RGLIVFHSSEGSTVSVDLFDAGQVPTDLLRIYRDNKTINSENHLIDLYLTT 257

RESULT 8

US-08-471-913A-112

; Sequence 112, Application US/08471913A

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; Patent No. 6093794
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Pettaway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; APPLICANT: Coruzzi, Laura A.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING EPSTEIN-BARR VIRUS
; TITLE OF INVENTION: TRANSMISSION
; NUMBER OF SEQUENCES: 214
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/471.913A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-471-913A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SEKSEINEKDLRKKSQLRNALSRLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
Db 25 SEKSEINEKDLRKKSQLRNALSRLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84

Qy 61 HPWYNDLLVLDGSKDANKYKGVKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVLDGSKDANKYKGVKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 144

Qy 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 145 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204

Qy 181 RGLIVFHSSEGSTVSVDLFDAGQGYPTDLLRIYRDNKTIINSENHLDIYLYTT 233
Db 205 RGLIVFHSSEGSTVSVDLFDAGQGYPTDLLRIYRDNKTIINSENHLDIYLYTT 257

RESULT 9
US-08-485-264A-112
; Sequence 112, Application US/08485264A
; Patent No. 6228983
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.

```

```

; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Pettaway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
; TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING
; TITLE OF INVENTION: RESPIRATORY SYNCYTIAL VIRUS TRANSMISSION
; NUMBER OF SEQUENCES: 232
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485.264A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-021
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-485-264A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SEKSEINEKDLRKKSQLRNALSRLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
Db 25 SEKSEINEKDLRKKSQLRNALSRLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84

Qy 61 HPWYNDLLVLDGSKDANKYKGVKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVLDGSKDANKYKGVKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 144

Qy 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 145 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204

Qy 181 RGLIVFHSSEGSTVSVDLFDAGQGYPTDLLRIYRDNKTIINSENHLDIYLYTT 233
Db 205 RGLIVFHSSEGSTVSVDLFDAGQGYPTDLLRIYRDNKTIINSENHLDIYLYTT 257

RESULT 10
US-08-474-349A-112
; Sequence 112, Application US/08474349A
; Patent No. 6333395
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.

```

```
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING HUMAN PARAINFLUENZA
; NUMBER OF SEQUENCES: 517
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,349A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-024
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-474-349A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKKSQLRNALSRLQIYYNKAITENKESDDQFLENTLLFKGFTG 60
Db 25 SEKSEINEKDLRKKSQLRNALSRLQIYYNKAITENKESDDQFLENTLLFKGFTG 84

QY 61 HPWYNDLLVGLSKDATNKYKGVLDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVGLSKDATNKYKGVLDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 144

QY 121 BEKKVPINLWDGKQTTVPIDKVTSKKEVTQVELDQARHLYHGKFLYNSDSFGGKVQ 180
Db 145 BEKKVPINLWDGKQTTVPIDKVTSKKEVTQVELDQARHLYHGKFLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLTT 233
Db 205 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLTT 257

RESULT 11
US-08-470-896-112
; Sequence 112, Application US/08470896
; Patent No. 6479055
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING EPSTEIN-BARR VIRUS
; TITLE OF INVENTION: TRANSMISSION
```

```
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION
; TITLE OF INVENTION: OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
; TITLE OF INVENTION: TRANSMISSION
; NUMBER OF SEQUENCES: 273
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,896
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-020
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-470-896-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKKSQLRNALSRLQIYYNKAITENKESDDQFLENTLLFKGFTG 60
Db 25 SEKSEINEKDLRKKSQLRNALSRLQIYYNKAITENKESDDQFLENTLLFKGFTG 84

QY 61 HPWYNDLLVGLSKDATNKYKGVLDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVGLSKDATNKYKGVLDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 144

QY 121 BEKKVPINLWDGKQTTVPIDKVTSKKEVTQVELDQARHLYHGKFLYNSDSFGGKVQ 180
Db 145 BEKKVPINLWDGKQTTVPIDKVTSKKEVTQVELDQARHLYHGKFLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLTT 233
Db 205 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLTT 257

RESULT 12
US-08-485-546A-112
; Sequence 112, Application US/08485546A
; Patent No. 6518013
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING EPSTEIN-BARR VIRUS
; TITLE OF INVENTION: TRANSMISSION
```

NUMBER OF SEQUENCES: 214
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,546A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-028
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 112:
LENGTH: 257 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-485-546A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 25 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84

QY 61 HPWYNDLLVLDGSKDATNKYKGVLDLYGAYGYQCAGTTPNKTACMYGGVTLHDNRLLT 120
DB 85 HPWYNDLLVLDGSKDATNKYKGVLDLYGAYGYQCAGTTPNKTACMYGGVTLHDNRLLT 144

QY 121 BEKKVPINLWIDGKQTTVPIDKVKTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 145 BEKKVPINLWIDGKQTTVPIDKVKTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTSVSYDLFDAQQYPTDLLRIYRDNKTINSENHLHIDLTYTT 233
DB 205 RGLIVFHSSEGSTSVSYDLFDAQQYPTDLLRIYRDNKTINSENHLHIDLTYTT 257

RESULT 13
US-08-487-266A-112
Sequence 112, Application US/08487266A
Patent No. 6824783
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
APPLICANT: Matthews, Thomas J.
APPLICANT: Wild, Carl T.
APPLICANT: Barney, Shawn O.
APPLICANT: Lambert, Dennis M.
APPLICANT: Petteway, Stephen R.
APPLICANT: Langlois, Alphonse J.
TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE
FUSION-ASSOCIATED EVENTS, INCLUDING HIV TRANSMISSION
NUMBER OF SEQUENCES: 239
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas

CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,266A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-025
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 112:
LENGTH: 257 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-487-266A-112

Query Match 100.0%; Score 1238; DB 2; Length 257;
Best Local Similarity 100.0%; Pred. No. 2e-118;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 25 SEKSEINEKDLRKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84

QY 61 HPWYNDLLVLDGSKDATNKYKGVLDLYGAYGYQCAGTTPNKTACMYGGVTLHDNRLLT 120
DB 85 HPWYNDLLVLDGSKDATNKYKGVLDLYGAYGYQCAGTTPNKTACMYGGVTLHDNRLLT 144

QY 121 BEKKVPINLWIDGKQTTVPIDKVKTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 145 BEKKVPINLWIDGKQTTVPIDKVKTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204

QY 181 RGLIVFHSSEGSTSVSYDLFDAQQYPTDLLRIYRDNKTINSENHLHIDLTYTT 233
DB 205 RGLIVFHSSEGSTSVSYDLFDAQQYPTDLLRIYRDNKTINSENHLHIDLTYTT 257

RESULT 14
US-08-484-741-112
Sequence 112, Application US/08484741
Patent No. 6951717
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
APPLICANT: Matthews, Thomas J.
APPLICANT: Wild, Carl T.
APPLICANT: Barney, Shawn O.
APPLICANT: Lambert, Dennis M.
APPLICANT: Petteway, Stephen R.
APPLICANT: Langlois, Alphonse J.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION
OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
TRANSMISSION
NUMBER OF SEQUENCES: 273
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA

[illegible]

Search completed: November 25, 2005, 20:50:55
Job time : 26 secs

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|----|-----|---|-----|
| Db | 22 | SEKSEINEKDLRKKSSELQRLNALSNLRIQIYYNEKALTENKESDDQFLENTLFLKGFETG | 81 |
| Qy | 61 | HPWYNDLLVLGSKDQATNKYKGVKVDLYGAYGYQCAGGTPNKTCMYGGVTLHNNRLT | 120 |
| Db | 82 | HPWYNDLLVLGSKDQATNKYKGVKVDLYGAYGYQCAGGTPNKTCMYGGVTLHNNRLT | 141 |
| Qy | 121 | EKKKYPINLWDGKQTTVPIDKVTTSKEVTVQELDLQARHYLHGKFGLSNDSFGGKVQ | 180 |
| Db | 142 | EKKKYPINLWID-KQTTVPIDKVTTSKEVTVQELDLQARHYLHGKFGLSNDSFGGKVQ | 200 |
| Qy | 181 | RLGLVFHSEG-STVSYDLFDAQGYDPTLLRIYRDNKTINSENHLHIDLXYTT | 233 |
| Db | 201 | RLGLVFHSEGSSTVSYDLFDAQGYDPTLLRIYRDNKTINSENHLHIDLXYTT | 254 |

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OM protein - protein search, using sw model

Run on: November 25, 2005, 20:47:46 ; Search time 165 Seconds
(without alignments)
590.026 Million cell updates/sec

Title: US-09-900-766-7
Perfect score: 1238
Sequence: 1 SEKSEINEKDLRKXSELQ.....RDNKTINSENLHIDLVLTYT 233

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|---------------------|
| 1 | 1238 | 100.0 | 233 | 3 | US-09-900-766-7 |
| 2 | 1238 | 100.0 | 233 | 4 | US-10-283-838-8 |
| 3 | 1238 | 100.0 | 257 | 4 | US-10-267-682-112 |
| 4 | 1238 | 100.0 | 257 | 4 | US-10-267-748-112 |
| 5 | 1238 | 100.0 | 257 | 4 | US-10-267-748-112 |
| 6 | 1210 | 97.7 | 233 | 3 | US-10-428-817A-188 |
| 7 | 1188 | 96.0 | 248 | 3 | US-09-900-766-3 |
| 8 | 1188 | 96.0 | 248 | 3 | US-09-900-766-16 |
| 9 | 1188 | 96.0 | 248 | 3 | US-09-751-708A-16 |
| 10 | 1188 | 96.0 | 248 | 5 | US-10-428-817A-12 |
| 11 | 1107 | 89.4 | 233 | 3 | US-10-937-758A-16 |
| 12 | 1107 | 89.4 | 672 | 3 | US-09-900-766-2 |
| 13 | 1023 | 82.6 | 233 | 3 | US-09-900-766-1 |
| 14 | 1023 | 82.6 | 233 | 3 | US-09-900-766-4 |
| 15 | 1023 | 82.6 | 257 | 4 | US-10-283-838-7 |
| 16 | 1023 | 82.6 | 257 | 4 | US-10-267-682-113 |
| 17 | 1023 | 82.6 | 257 | 5 | US-10-267-748-113 |
| 18 | 1019 | 82.3 | 233 | 4 | US-10-951-225-5 |
| 19 | 1013 | 81.8 | 257 | 3 | US-10-354-948-4 |
| 20 | 1013 | 81.8 | 257 | 3 | US-09-870-759-8 |
| 21 | 1013 | 81.8 | 257 | 3 | US-09-751-708A-8 |
| 22 | 1013 | 81.8 | 257 | 4 | US-10-428-817A-4 |
| 23 | 1000 | 80.8 | 257 | 5 | US-10-937-758A-8 |
| 24 | 1000 | 80.8 | 257 | 4 | US-10-002-784A-2 |
| 25 | 996 | 80.5 | 233 | 4 | US-10-767-687-2 |
| 26 | 996 | 80.5 | 233 | 4 | US-10-002-784A-4 |
| 27 | 991 | 80.0 | 231 | 4 | US-10-767-687-4 |
| | | | | | Sequence 182, Appli |

| | | | | | | |
|----|-------|------|-----|---|--------------------|--------------------|
| 28 | 983 | 79.4 | 257 | 2 | US-08-882-431-2 | Sequence 2, Appli |
| 29 | 978 | 79.0 | 233 | 2 | US-08-882-431-4 | Sequence 4, Appli |
| 30 | 921 | 74.4 | 227 | 5 | US-10-997-690-11 | Sequence 11, Appli |
| 31 | 830 | 67.0 | 268 | 4 | US-10-428-817A-175 | Sequence 175, App |
| 32 | 663 | 53.6 | 258 | 3 | US-09-870-759-14 | Sequence 14, Appli |
| 33 | 663 | 53.6 | 258 | 3 | US-09-751-708A-14 | Sequence 14, Appli |
| 34 | 663 | 53.6 | 258 | 4 | US-10-428-817A-10 | Sequence 10, Appli |
| 35 | 663 | 53.6 | 258 | 4 | US-10-428-817A-187 | Sequence 187, App |
| 36 | 663 | 53.6 | 258 | 5 | US-10-937-758A-14 | Sequence 14, Appli |
| 37 | 523 | 42.2 | 203 | 3 | US-09-900-766-5 | Sequence 5, Appli |
| 38 | 457 | 36.9 | 82 | 4 | US-10-002-784A-34 | Sequence 34, Appli |
| 39 | 457 | 36.9 | 82 | 5 | US-10-767-687-19 | Sequence 19, Appli |
| 40 | 399 | 32.2 | 82 | 4 | US-10-002-784A-32 | Sequence 32, Appli |
| 41 | 399 | 32.2 | 82 | 5 | US-10-767-687-17 | Sequence 17, Appli |
| 42 | 366 | 29.6 | 217 | 3 | US-09-900-766-6 | Sequence 6, Appli |
| 43 | 366 | 29.6 | 217 | 4 | US-10-428-817A-173 | Sequence 173, App |
| 44 | 343.5 | 27.7 | 259 | 5 | US-10-474-792-416 | Sequence 416, App |
| 45 | 339.5 | 27.4 | 242 | 4 | US-10-428-817A-174 | Sequence 174, App |

ALIGNMENTS

RESULT 1.
US-09-900-766-7
; Sequence 7, Application US/09900766
; Publication No. US20030039655A1
; GENERAL INFORMATION:
; APPLICANT: FORSBERG, GORAN
; APPLICANT: ERLANDSSON, EVA
; APPLICANT: ANTONSSON, PER
; APPLICANT: WALSE, BJORN
; TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
; FILE REFERENCE: P02188US0;10104199
; CURRENT APPLICATION NUMBER: US/09/900,766
; CURRENT FILING DATE: 2001-07-06
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 7
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Staphylococcus sp.
US-09-900-766-7

| | | | | |
|-----------------------|-----------------|---------------------|--------------------------|----------------------|
| Query Match | 100.0%; | Score 1238; | DB 3; | Length 233; |
| Best Local Similarity | 100.0%; | Pred. No. 7,1e-105; | | |
| Matches 233; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| Qy | 1 | SEKSEINEKDLRKXSELQ | NLSNRQIYYNEKAITENKESDDO | FLENTLLFKGFTG 60 |
| Db | 1 | SEKSEINEKDLRKXSELQ | NLSNRQIYYNEKAITENKESDDO | FLENTLLFKGFTG 60 |
| Qy | 61 | HPWYNDLLVDLGSKD | ATNKGKVDLYGAYGYCAGGTPNK | TACMYGGVTLHNNRLT 120 |
| Db | 61 | HPWYNDLLVDLGSKD | ATNKGKVDLYGAYGYCAGGTPNK | TACMYGGVTLHNNRLT 120 |
| Qy | 121 | EKKVPINLWIDGKQT | TVPIDKVTSKKEVTVQELDLQARH | YLGKFGYNSDSFGKQV 180 |
| Db | 121 | EKKVPINLWIDGKQT | TVPIDKVTSKKEVTVQELDLQARH | YLGKFGYNSDSFGKQV 180 |
| Qy | 181 | RGLIVPHSSEGSTV | SYDLFDAGQYPTDLLRIYRDNKNT | INSENLHIDLVLTYT 233 |
| Db | 181 | RGLIVPHSSEGSTV | SYDLFDAGQYPTDLLRIYRDNKNT | INSENLHIDLVLTYT 233 |

RESULT 2
US-10-283-838-8
; Sequence 8, Application US/10283838
; Publication No. US20030092894A1
; GENERAL INFORMATION:
; APPLICANT: Per Antonsson, Per Bjork, Mikael Dohlisten,
; Johan Hansson, Terje Kalland, Lars
; Abrahamson and Goran Forsberg

;/ TITLE OF INVENTION: MODIFIED/CHIMERIC SUPERANTIGENS
;/ AND THEIR USE
;/ NUMBER OF SEQUENCES: 24
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Pravel, Hewitt, Kimball & Krieger
;/ STREET: 1177 West Loop South, 10th Floor
;/ CITY: Houston
;/ STATE: TX
;/ COUNTRY: USA
;/ ZIP: 77027-9095
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.25
;/ CURRENT APPLICATION DATA: US/10/283,838
;/ APPLICATION NUMBER: US/10/283,838
;/ FILING DATE: 30-Oct-2002
;/ CLASSIFICATION: <Unknown>
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/695,692
;/ FILING DATE: August 12, 1996
;/ APPLICATION NUMBER: 9601245-5
;/ FILING DATE: March 29, 1996
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Krieger, Paul E.
;/ REGISTRATION NUMBER: 25,886
;/ REFERENCE/DOCKET NUMBER: 41986/1
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: 713-850-0909
;/ TELEFAX: 713-850-0165
;/ INFORMATION FOR SEQ ID NO: 8:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 233 amino acids
;/ TYPE: amino acid
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: peptide
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 8:
;/ US-10-283-838-8

Query Match 100.0%; Score 1238; DB 4; Length 233;
Best Local Similarity 100.0%; Pred. No. 7.le-105;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKSELORNALSRLQIYYNEKAITENKESDDQFLENTLLPKGFFTG 60
Db 1 SEKSEINEKDLRKSELORNALSRLQIYYNEKAITENKESDDQFLENTLLPKGFFTG 60
QY 61 HPWYNDLLVLDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
Db 61 HPWYNDLLVLDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
QY 121 EEKVPINLWIDGKQTTPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 121 EEKVPINLWIDGKQTTPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
QY 181 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLYTT 233
Db 181 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLYTT 233

RESULT 3
US-10-267-682-112
; Sequence 112, Application US/10267682
; Publication No. US20040033235A1
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; Matthews, Thomas J.
; Wild, Carl T.
; Barney, Shawn O.
; Lambert, Dennis M.
; Petteway, Stephen R.
; Langlois, Alphonse J.

;/ TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
;/ MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
;/ TRANSMISSION
;/ NUMBER OF SEQUENCES: 239
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Pennie & Edmonds
;/ STREET: 1155 Avenue of the Americas
;/ CITY: New York
;/ STATE: New York
;/ COUNTRY: USA
;/ ZIP: 10036-2711
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30
;/ CURRENT APPLICATION DATA: US/10/267,682
;/ APPLICATION NUMBER: US/10/267,682
;/ FILING DATE: 08-Oct-2002
;/ CLASSIFICATION: <Unknown>
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/484,223A
;/ FILING DATE: 07-JUN-1995
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Coruzzi, Laura A.
;/ REGISTRATION NUMBER: 30,742
;/ REFERENCE/DOCKET NUMBER: 7872-029
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (212) 790-9090
;/ TELEFAX: (212) 869-9741/8864
;/ INFORMATION FOR SEQ ID NO: 112:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 257 amino acids
;/ TYPE: amino acid
;/ STRANDEDNESS: <Unknown>
;/ TOPOLOGY: unknown
;/ MOLECULE TYPE: protein
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 112:
;/ US-10-267-682-112
Query Match 100.0%; Score 1238; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 8.le-105;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKSELORNALSRLQIYYNEKAITENKESDDQFLENTLLPKGFFTG 60
Db 25 SEKSEINEKDLRKSELORNALSRLQIYYNEKAITENKESDDQFLENTLLPKGFFTG 84
QY 61 HPWYNDLLVLDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVLDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 144
QY 121 EEKVPINLWIDGKQTTPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 145 EEKVPINLWIDGKQTTPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204
QY 181 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLYTT 233
Db 205 RGLIVFHSSEGSTVSVDLFDAGQGPDTLLRIYRDNKTINSENHLIDLYLYTT 257

RESULT 4
US-10-267-748-112
; Sequence 112, Application US/10267748
; Publication No. US20040052820A1
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; Matthews, Thomas J.
; Wild, Carl T.
; Barney, Shawn O.
; Lambert, Dennis M.
; Petteway, Stephen R.

RESULT 5
US-10-428-817A-188
; Sequence 188, Application US/10428817A
; Publication No. US20040214783A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 38373-189118
; CURRENT APPLICATION NUMBER: US/10/428,817A
; CURRENT FILING DATE: 2003-05-05

Query Match 97.7%; Score 1210; DB 3; Length 233;
Best Local Similarity 97.9%; Pred. No. 2.6e-102;
Matches 228; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

```

; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-751-708A-16

Query Match      96.0%; Score 1188; DB 3; Length 248;
Best Local Similarity 100.0%; Pred. No. 2.9e-100;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
DB 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
QY 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
QY 181 RGLIVFHSSEGSTSVSYDLFDAQQGYPTLLRIYRDNKTINSENHLIDLYLTT 233
DB 181 RGLIVFHSSEGSTSVSYDLFDAQQGYPTLLRIYRDNKTINSENHLIALYLYTT 233

RESULT 7
US-09-870-759-16
; Sequence 16, Application US/09870759
; Patent No. US20020177551A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 870759
; CURRENT APPLICATION NUMBER: US/09/870,759
; PRIOR FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: US 60/208,128
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 16
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-870-759-16

Query Match      96.0%; Score 1188; DB 3; Length 248;
Best Local Similarity 100.0%; Pred. No. 2.9e-100;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 25 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84
QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
DB 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 144
QY 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 145 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204
QY 181 RGLIVFHSSEGSTSVSYDLFDAQQGYPTLLRIYRDNKTINSEN 224
DB 205 RGLIVFHSSEGSTSVSYDLFDAQQGYPTLLRIYRDNKTINSEN 248

RESULT 8
US-09-751-708A-16
; Sequence 16, Application US/09751708A
; Publication No. US20030157113A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 751708
; CURRENT APPLICATION NUMBER: US/09/751,708A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/173,371
; PRIOR FILING DATE: 1999-12-28
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 16
; LENGTH: 248
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; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-751-708A-16

Query Match      96.0%; Score 1188; DB 3; Length 248;
Best Local Similarity 100.0%; Pred. No. 2.9e-100;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 25 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84
QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
DB 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 144
QY 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 145 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204
QY 181 RGLIVFHSSEGSTSVSYDLFDAQQGYPTLLRIYRDNKTINSEN 224
DB 205 RGLIVFHSSEGSTSVSYDLFDAQQGYPTLLRIYRDNKTINSEN 248

RESULT 9
US-10-428-817A-12
; Sequence 12, Application US/10428817A
; Publication No. US20040214783A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: 38373-189118
; CURRENT APPLICATION NUMBER: US/10/428,817A
; PRIOR FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 60/378,988
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 60/389,366
; PRIOR FILING DATE: 2002-06-15
; PRIOR APPLICATION NUMBER: US 60/406,697
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: US 60/406,750
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/415,310
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 60/415,400
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US 60/438,686
; PRIOR FILING DATE: 2003-01-09
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 12
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-428-817A-12

Query Match      96.0%; Score 1188; DB 4; Length 248;
Best Local Similarity 100.0%; Pred. No. 2.9e-100;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 25 SEKSEINEKDLRKXSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 84
QY 61 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 120
DB 85 HPWYNDLLVDLGSKDATNKYKGGKVDLYGAYYGQCAGGTPNKTACMYGGVTLHDNNRLT 144
QY 121 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 145 EEKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204
```

QY 181 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 224
Db 205 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 248

RESULT 10

US-10-937-758A-16
; Sequence 16, Application US/10937758A
; Publication No. US2005012141A1
; GENERAL INFORMATION:
; APPLICANT: TERMAN, David S
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: FILE REFERENCE 650884
; CURRENT APPLICATION NUMBER: US/10/937,758A
; PRIOR FILING DATE: 2004-09-08
; PRIOR APPLICATION NUMBER: 09/650,884
; FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-937-758A-16

Query Match 96.0%; Score 1188; DB 5; Length 248;
Best Local Similarity 100.0%; Pred. No. 2.9e-100;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKSELOQNALNLRIQIYYNKAITENKESDDQFLENTLLFKGFFTG 60
Db 25 SEKSEINEKDLRKSELOQNALNLRIQIYYNKAITENKESDDQFLENTLLFKGFFTG 84
QY 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
Db 85 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTACMYGGVTLHDNNRLT 144
QY 121 BEKKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 145 BEKKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 204
QY 181 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 224
Db 205 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 248

RESULT 11

US-09-900-766-2
; Sequence 2, Application US/09900766
; Publication No. US20030039655A1
; GENERAL INFORMATION:
; APPLICANT: FORSBERG, GORAN
; APPLICANT: ERLANDSSON, EVA
; APPLICANT: ANTONSSON, PER
; APPLICANT: WALSE, BJORN
; TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
; FILE REFERENCE: P02188US0;10104199
; CURRENT APPLICATION NUMBER: US/09/900,766
; CURRENT FILING DATE: 2001-07-06
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: (1)..(233)
; OTHER INFORMATION: Chimeric Protein
US-09-900-766-2

Query Match 89.4%; Score 1107; DB 3; Length 233;
Best Local Similarity 89.7%; Pred. No. 6.8e-93;

Matches 209; Conservative 9; Mismatches 15; Indels 0; Gaps 0;
QY 1 SEKSEINEKDLRKSELOQNALNLRIQIYYNKAITENKESDDQFLENTLLFKGFFTG 60
Db 1 SEKSEINEKDLRKSELOQNALNLRIQIYYNKAITENKESDDQFLENTLLFKGFFTG 60
QY 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
Db 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
QY 121 BEKKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 121 BEKKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
QY 181 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 233
Db 181 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 233

RESULT 12

US-09-900-766-1
; Sequence 1, Application US/09900766
; Publication No. US20030039655A1
; GENERAL INFORMATION:
; APPLICANT: FORSBERG, GORAN
; APPLICANT: ERLANDSSON, EVA
; APPLICANT: ANTONSSON, PER
; APPLICANT: WALSE, BJORN
; TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
; FILE REFERENCE: P02188US0;10104199
; CURRENT APPLICATION NUMBER: US/09/900,766
; CURRENT FILING DATE: 2001-07-06
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 672
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(672)
; OTHER INFORMATION: Conjugate protein
US-09-900-766-1

Query Match 89.4%; Score 1107; DB 3; Length 672;
Best Local Similarity 89.7%; Pred. No. 2.7e-92;
Matches 209; Conservative 9; Mismatches 15; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKSELOQNALNLRIQIYYNKAITENKESDDQFLENTLLFKGFFTG 60
Db 226 SEKSEINEKDLRKSELOQNALNLRIQIYYNKAITENKESDDQFLENTLLFKGFFTG 285
QY 61 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTACMYGGVTLHDNNRLT 120
Db 286 HPWYNDLLVLDGSKDATNKYKGGKVDLYGAYGYQCAGTGNKTACMYGGVTLHDNNRLT 345
QY 121 BEKKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
Db 346 BEKKVPINLWIDGKQTTVPIDKVKTSKKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 405
QY 181 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 233
Db 406 RGLIVFHSSEGSTVSYDLFDAQGYPTDILLRIYRDNKTINSEN 458

RESULT 13

US-09-900-766-4
; Sequence 4, Application US/09900766
; Publication No. US20030039655A1
; GENERAL INFORMATION:
; APPLICANT: FORSBERG, GORAN
; APPLICANT: ERLANDSSON, EVA
; APPLICANT: ANTONSSON, PER

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-283-838-7

Query Match 82.6%; Score 1023; DB 4; Length 233;
Best Local Similarity 82.0%; Pred. No. 3.3e-85;
Matches 191; Conservative 17; Mismatches 25; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 1 SEKSEINEKDLRKKSELQNTALGNLQIYYNEKAKTENKESHQDFLOHTILFKGFFTD 60
QY 61 HPYNDLLVDLGSKDATNKYKGVLDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
DB 61 HSWYNDLLVDFDSKDIQVYKGVLDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
QY 121 EEKVPINLWIDGKQTVPIQDKVTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 121 EEKVPINLWLDGKQNTVPLETVTKNKQNTVQELDLQARRYLOEKYNLYNSDVDFGKVQ 180
QY 181 RGLIVFHSSSEGSTVSVDLFDAGQGYPTLLRIYRDNKTINSENHLDLYLYTT 233
DB 181 RGLIVFHTSTEPSVNYDLFGAQGYSNLTLLRIYRDNKTINSENHLDIYLYTS 233

RESULT 15
US-10-267-682-113
Sequence 113, Application US/10267682
Publication No. US2004003235A1
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
Matthews, Thomas J.
Wild, Carl T.
Barney, Shawn O.
Lambert, Dennis M.
Petteway, Stephen R.
Langlois, Alphonse J.
TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
TRANSMISSION
NUMBER OF SEQUENCES: 239
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/267,682
FILING DATE: 08-Oct-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/484,223A
FILING DATE: 07-JUN-1995
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-029
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE

APPLICANT: WALSE, BJORN
TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
FILE REFERENCE: P02188US0;10104199
CURRENT APPLICATION NUMBER: US/09/900,766
CURRENT FILING DATE: 2001-07-06
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patent in version 3.0
SEQ ID NO 4
LENGTH: 233
TYPE: PRT
ORGANISM: Staphylococcus sp.
US-09-900-766-4

Query Match 82.6%; Score 1023; DB 3; Length 233;
Best Local Similarity 82.0%; Pred. No. 3.3e-85;
Matches 191; Conservative 17; Mismatches 25; Indels 0; Gaps 0;

QY 1 SEKSEINEKDLRKKSELQNALSNLRQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
DB 1 SEKSEINEKDLRKKSELQNTALGNLQIYYNEKAKTENKESHQDFLOHTILFKGFFTD 60
QY 61 HPYNDLLVDLGSKDATNKYKGVLDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
DB 61 HSWYNDLLVDFDSKDIQVYKGVLDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
QY 121 EEKVPINLWIDGKQTVPIQDKVTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQ 180
DB 121 EEKVPINLWLDGKQNTVPLETVTKNKQNTVQELDLQARRYLOEKYNLYNSDVDFGKVQ 180
QY 181 RGLIVFHSSSEGSTVSVDLFDAGQGYPTLLRIYRDNKTINSENHLDLYLYTT 233
DB 181 RGLIVFHTSTEPSVNYDLFGAQGYSNLTLLRIYRDNKTINSENHLDIYLYTS 233

RESULT 14
US-10-283-838-7
Sequence 7, Application US/10283838
Publication No. US20030092894A1
GENERAL INFORMATION:
APPLICANT: Per Antonsson, Per Bjork, Mikael Dohlaten,
Johan Hansson, Terje Kalland, Lars
Abrahmsen and Goran Forsberg
TITLE OF INVENTION: MODIFIED/CHIMERIC SUPERANTIGENS
AND THEIR USE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pravel, Hewitt, Kimball & Krieger
STREET: 1177 West Loop South, 10th Floor
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77027-9095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/283,838
FILING DATE: 30-Oct-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/695,692
FILING DATE: August 12, 1996
APPLICATION NUMBER: 9601245-5
FILING DATE: March 29, 1996
NAME: Krieger, Paul E.
REGISTRATION NUMBER: 25,886
REFERENCE/DOCKET NUMBER: 41986/1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713-850-0909
TELEFAX: 713-850-0165

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; INFORMATION FOR SEQ ID NO: 113:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 257 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: <Unknown>
;   TOPOLOGY: unknown
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 113:
US-10-267-682-113

Query Match      82.6%; Score 1023; DB 4; Length 257;
Best Local Similarity 82.0%; Pred. No. 3.7e-85;
Matches 191; Conservative 17; Mismatches 25; Indels 0; Gaps 0;

Qy 1 SEKSEINEKDLRKXSELQRNALSNLROIYYNNEKAITENKESDDQFLENTLLFKGFFTG 60
Db 25 SEKSEINEKDLRKXSELQGTALGNLKIYYNNEKAKTENKESHQDFLQHTILFKGFFTD 84
Qy 61 HPWYNDLAVDLGSKDATNKGKVDLYGAYGYQCAGGTENKTACMYGGVTLHDNNRLT 120
Db 85 HSWYNDLLVDFDSKDIDVKGKVDLYGAYGYQCAGGTENKTACMYGGVTLHDNNRLT 144
Qy 121 EEKKVPINLWIDGKQTTVPIDKVKTSKEVTVQELDLQARHLYHGKFGLYNSDSFGGKVQ 180
Db 145 EEKKVPINLWLDGKQNTVPLETVTNKKNTVQELDLQARRYLQEKYNLYNSDVFDGKVQ 204
Qy 181 RGLIVFHSSEGSTVSVDLFDAGQGYPDTLRIYRDNKTINSENHLIDLYLTT 233
Db 205 RGLIVFHTSTSPSVNYDLFGAQGYSENTLLRIYRDNKTINSENMHIDYLYTS 257
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Search completed: November 25, 2005, 21:03:38
Job time : 166 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 25, 2005, 20:50:37 ; Search time 9 Seconds
(without alignments)
78.468 Million cell updates/sec

Title: US-09-900-766-7
Perfect score: 1238
Sequence: 1 SEKSEINKEKLRKXSELR.....RDNKTINSENHLIDLYLTT 233

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 17545 seqs, 3030971 residues
Total number of hits satisfying chosen parameters: 17545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database :
- 1: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pap.*
 - 2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pap.*
 - 3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pap.*
 - 4: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pap.*
 - 5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pap.*
 - 6: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pap.*
 - 7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pap.*
 - 8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 1019 | 82.3 | 233 | 7 | US-11-022-562-226 |
| 2 | 111.5 | 9.0 | 443 | 1 | US-10-793-626-1860 |
| 3 | 94.5 | 7.6 | 402 | 1 | US-10-485-517-422 |
| 4 | 89 | 7.2 | 171 | 1 | US-10-793-626-1074 |
| 5 | 84.5 | 6.8 | 228 | 1 | US-10-793-626-1166 |
| 6 | 84.5 | 6.8 | 579 | 7 | US-11-045-802-33 |
| 7 | 83.5 | 6.7 | 752 | 1 | US-10-793-626-1138 |
| 8 | 82.5 | 6.7 | 361 | 1 | US-10-485-517-125 |
| 9 | 82.5 | 6.7 | 361 | 1 | US-10-485-517-295 |
| 10 | 82 | 6.6 | 584 | 7 | US-11-045-802-31 |
| 11 | 81.5 | 6.6 | 313 | 1 | US-10-485-517-123 |
| 12 | 81.5 | 6.6 | 313 | 1 | US-10-485-517-293 |
| 13 | 81.5 | 6.6 | 579 | 7 | US-11-045-802-32 |
| 14 | 78 | 6.3 | 392 | 1 | US-10-793-626-2494 |
| 15 | 78 | 6.3 | 585 | 1 | US-10-510-386-20 |
| 16 | 78 | 6.3 | 594 | 1 | US-10-510-386-38 |
| 17 | 77.5 | 6.3 | 581 | 7 | US-11-045-802-30 |
| 18 | 76 | 6.1 | 182 | 7 | US-11-065-943-55 |
| 19 | 76 | 6.1 | 805 | 1 | US-10-485-517-198 |
| 20 | 75 | 6.1 | 646 | 1 | US-10-793-626-676 |
| 21 | 74.5 | 6.0 | 120 | 1 | US-10-501-039-14 |
| 22 | 74 | 6.0 | 518 | 1 | US-10-793-626-506 |
| 23 | 73 | 5.9 | 352 | 1 | US-10-793-626-216 |
| 24 | 72.5 | 5.9 | 251 | 1 | US-10-485-517-126 |
| 25 | 72.5 | 5.9 | 539 | 1 | US-10-793-626-340 |

| | | | | | | |
|----|------|-----|------|---|--------------------|--------------------|
| 26 | 72.5 | 5.9 | 2053 | 7 | US-11-013-759-9 | Sequence 9, Appli |
| 27 | 71.5 | 5.8 | 1992 | 7 | US-11-013-759-3 | Sequence 3, Appli |
| 28 | 71.5 | 5.8 | 1992 | 7 | US-11-013-759-13 | Sequence 13, Appli |
| 29 | 71.5 | 5.8 | 2047 | 7 | US-11-013-759-4 | Sequence 4, Appli |
| 30 | 71.5 | 5.8 | 2047 | 7 | US-11-013-759-7 | Sequence 7, Appli |
| 31 | 71 | 5.7 | 621 | 1 | US-10-632-150-28 | Sequence 28, Appli |
| 32 | 71 | 5.7 | 3717 | 1 | US-10-821-234-1076 | Sequence 1076, Ap |
| 33 | 70.5 | 5.7 | 269 | 1 | US-10-793-626-880 | Sequence 880, App |
| 34 | 70.5 | 5.7 | 1070 | 7 | US/11/062 | Sequence 7, Appli |
| 35 | 70.5 | 5.7 | 1095 | 7 | US/11/062 | Sequence 2, Appli |
| 36 | 70.5 | 5.7 | 1169 | 7 | US-11-077-550-20 | Sequence 10, Appli |
| 37 | 70 | 5.7 | 266 | 7 | US-11-082-544-10 | Sequence 20, Appli |
| 38 | 70 | 5.7 | 281 | 1 | US-10-821-234-1288 | Sequence 1288, Ap |
| 39 | 70 | 5.7 | 281 | 7 | US-11-077-272-2 | Sequence 2, Appli |
| 40 | 70 | 5.7 | 391 | 7 | US-11-105-172-4 | Sequence 4, Appli |
| 41 | 69.5 | 5.6 | 611 | 7 | US-11-082-389-436 | Sequence 436, App |
| 42 | 69 | 5.6 | 311 | 1 | US-10-793-626-3080 | Sequence 3080, Ap |
| 43 | 69 | 5.6 | 861 | 7 | US-11-038-284-36 | Sequence 36, Appli |
| 44 | 69 | 5.6 | 1572 | 1 | US-10-793-626-2906 | Sequence 2906, Ap |
| 45 | 68.5 | 5.5 | 491 | 1 | US-10-793-626-2808 | Sequence 2808, Ap |

ALIGNMENTS

RESULT 1
US-11-022-562-226
; Sequence 226, Application US/11022562
; Publication No. US20050249742A1
; GENERAL INFORMATION:
; APPLICANT: Ruprecht, Ruth M.
; APPLICANT: Shisong, Jiang
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR MODULATING
; TITLE OF INVENTION: A CYTOTOXIC T LYMPHOCYTE IMMUNE RESPONSE
; FILE REFERENCE: DFN-043CN
; CURRENT APPLICATION NUMBER: US/11/022,562
; CURRENT FILING DATE: 2004-12-22
; PRIOR APPLICATION NUMBER: PCT/US03/20322
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: 60/392718
; PRIOR FILING DATE: 2002-06-27
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 226
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-11-022-562-226

| | | | | |
|-----------------------|------------------|---|-----------|-------------|
| Query Match | 82.3% | Score 1019; | DB 7; | Length 233; |
| Best Local Similarity | 81.5% | Pred. No. 3.8e-80; | | |
| Matches 190; | Conservative 18; | Mismatches 25; | Indels 0; | Gaps 0; |
| QY | 1 | SEKSEINKEKLRKXSELR.....RDNKTINSENHLIDLYLTT | 60 | |
| Db | 1 | SEKSEINKEKLRKXSELR.....RDNKTINSENHLIDLYLTT | 60 | |
| QY | 61 | HPWYNLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTCMYGGVTLHDNNRLT | 120 | |
| Db | 61 | HSWYNLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTCMYGGVTLHDNNRLT | 120 | |
| QY | 121 | EKKVPINLWDGKQTTVPIDKVTSSKKEVTVQELDLQARHYLHGKFGLYNSDFGKVKQ | 180 | |
| Db | 121 | EKKVPINLWDGKQTTVPIDKVTSSKKEVTVQELDLQARHYLHGKFGLYNSDFGKVKQ | 180 | |
| QY | 181 | RGLVPHSSEGSTVSVDLFDAGQYPTLLRIYRDNKTINSENHLIDLYLTT | 233 | |
| Db | 181 | RGLVPHSSEGSTVSVDLFDAGQYPTLLRIYRDNKTINSENHLIDLYLTT | 233 | |

RESULT 2
US-10-793-626-1860
; Sequence 1860, Application US/10793626


```

; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1166
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1166

Query Match      6.8%; Score 84.5; DB 1; Length 228;
Best Local Similarity 24.8%; Pred. No. 0.52;
Matches 55; Conservative 34; Mismatches 68; Indels 65; Gaps 15;

QY 29 IYYNEKAITENKESDDQFLENTLLFKGFFTGHPWYND-----LLVDLGSKDATNKYKGK 83
DB 3 VYAQNKKLSKDNQYNN-----QTTNLMKN-----YDNTVKSYYIDGKVS DITVK-KGK 50
QY 84 KVDLYGAYGYQCAGGTGNKTACMYGGVTLHDNNR---LTEEKVP-INLWIDGKQT--- 136
DB 51 -----HFSVKSNGNDKNL-----NVTSKVNNQRWITERQTS PHINFIQGVSNHI 97
QY 137 --TVP-----IDVKVTSKKEVTVOELDQARHYLHGKGLVNSDFGKVGORG---LIVF 186
DB 98 TITVPKYIKNID-IKTNAGDLNIVG-----VNSGTGRFDABSGDIKVQGRYKKVTL 148
QY 187 HSSSGSTVSYDLFDAQGGVPTDLARIYEDNKTIN---SENLH 225
DB 149 HNEGDIQMKQL-----DPDIPRIKNEBEGDINLNYKKE LH 184

RESULT 6
US-11-045-802-33
; Sequence 33, Application US/11045802
; Publication No. US20050257289A1
; GENERAL INFORMATION:
; APPLICANT: Gordon-Kamm, William
; APPLICANT: Helentjaris, Tim
; APPLICANT: Lowe, Keith
; APPLICANT: Shen, Bo
; APPLICANT: Tarczynski, Mitchell
; APPLICANT: Zheng, Peizhong
; TITLE OF INVENTION: AP2 Domain Transcription Factor ODP2 (Ovule Development
; TITLE OF INVENTION: and Methods of Use
; FILE REFERENCE: 035718/286074
; CURRENT APPLICATION NUMBER: US/11/045,802
; CURRENT FILING DATE: 2005-01-28
; PRIOR APPLICATION NUMBER: 60/541,122
; PRIOR FILING DATE: 2004-02-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 579
; TYPE: PRT
; ORGANISM: Brassica napus
US-11-045-802-33

Query Match      6.8%; Score 84.5; DB 7; Length 579;
Best Local Similarity 21.0%; Pred. No. 1.6;
Matches 46; Conservative 32; Mismatches 84; Indels 57; Gaps 8;

QY 14 KKSBLQRNALSNLQIYYNEKAITENKESDD-----QFLENTLLFKGFFTGHP 62
DB 160 KGLSLSNWSSTSDNNNYSNNLVAQGKTTDSEVPTPKKTIESFGQRTSIYRG-VTRHR 218
QY 63 W---YNDLLVDLGSKDATNKYKGKVDLYGAYGYQCAGGTGNKTACMYGGVTLHDNNRL 119
DB 219 WTGRYEHLWDNSCKREQGTRKGRQVYL-GGYDKKEKAARAYDLAALKYWGTTTTTTFPM 277
QY 120 TEEKKVPINLWIDGKQTTVPIDKVKTSKEVTVOELDLQA-----RHYLHG 165

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 125
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-125

Query Match
Best Local Similarity 6.7%; Score 82.5; DB 1; Length 361;
Matches 28; Conservative 30; Mismatches 48; Indels 29; Gaps 3;

QY 64 YNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLTEEK 123
Db 230 YDNIDVFVLED--NKYQLKKYSV-----GGITKTSKKVNHKV 266

QY 124 KVPINLWDIGKQTTVPIDKVKTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQVRL 183
Db 267 ELSITKQNGQMISRDVSEYMITKEISLKELDFKLKQLIEKHNL-----GNMGSGT 320

QY 184 IVFHSSEGSTVSVDL 198
Db 321 IVIKMNGGKYTFEL 335
```

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RESULT 9
US-10-485-517-295
; Sequence 295, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629W0
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 295
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-295
```

```
Query Match
Best Local Similarity 6.7%; Score 82.5; DB 1; Length 361;
Matches 28; Conservative 30; Mismatches 48; Indels 29; Gaps 3;

QY 64 YNDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLTEEK 123
Db 230 YDNIDVFVLED--NKYQLKKYSV-----GGITKTSKKVNHKV 266

QY 124 KVPINLWDIGKQTTVPIDKVKTSKEVTVOELDLQARHYLHGKFGLYNSDSFGGKVQVRL 183
Db 267 ELSITKQNGQMISRDVSEYMITKEISLKELDFKLKQLIEKHNL-----GNMGSGT 320

QY 184 IVFHSSEGSTVSVDL 198
Db 321 IVIKMNGGKYTFEL 335
```

```
RESULT 10
US-11-045-802-31
; Sequence 31, Application US/11045802
; Publication No. US20050257289A1
; GENERAL INFORMATION:
; APPLICANT: Gordon-Kamm, William
; APPLICANT: Helentjaris, Tim
```

```
; APPLICANT: Lowe, Keith
; APPLICANT: Shen, Bo
; APPLICANT: Tarczynski, Mitchell
; APPLICANT: Zheng, Peizhong
; TITLE OF INVENTION: AP2 Domain Transcription Factor ODP2 (Ovule Development Protein 2)
; FILE REFERENCE: 035718/286074
; CURRENT APPLICATION NUMBER: US/11/045,802
; CURRENT FILING DATE: 2005-01-28
; PRIOR APPLICATION NUMBER: 60/541,122
; PRIOR FILING DATE: 2004-02-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 584
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-045-802-31
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Query Match
Best Local Similarity 6.6%; Score 82; DB 7; Length 584;
Matches 45; Conservative 34; Mismatches 79; Indels 56; Gaps 8;

QY 18 LQRNALSRLRIYYNEKAITEN-----KESDDQFLENTLLFKGFFTHGPW---Y 64
Db 165 LSMNSSTSDSNNNNDVDVQEKTIIVDVVETTPKKTIESFGQRTSIYRG-VTRHRWTGRY 223

QY 65 NDLLVDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLTEEEK 124
Db 224 EAHLMWNSCKREGQTRKGRQVYL--GGYDKBEAKARAYDLAALKYWGPTTTNFPPLSEYEK 282

QY 125 VPINLWDIGKQTTVPIDKVKTSKEVTVOELDLQA-----RHYLHGKFGLY 170
Db 283 -----EVEEMKMTQGEYVASLRKSSGFSRGASIVRGVTRHHQHGQRQAR 328
```

```
QY 171 -----NSDSFGGKVQVRLIVFHSSEGSTVSVDL 198
Db 329 IGRVAGNKDLYL-----TFGTQEEAAEAYDI 355
```

```
RESULT 11
US-10-485-517-123
; Sequence 123, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629W0
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 123
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-123
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Query Match
Best Local Similarity 6.6%; Score 81.5; DB 1; Length 313;
Matches 27; Conservative 31; Mismatches 43; Indels 27; Gaps 5;

QY 109 GGVTLHDNNRLTEEKVVPINLWDIGKQTTV--PIDKVKTSKEVTVOELDLQARHYLHGK 166
Db 204 GGITKSNKKV--DHKAGVRITKEDNKGKTISHDVSEFKITKEQISLKELDFKLKQLIEK 261
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QY 167 FGLYNSDSFGKVGQGLIVFHSSSEGSTVSVDLFDAGQGYPTLLRIYRDNT-----IN 220
Db 262 NNLY-----GNVSGKIVIMKNG-----GKYTFELHKKLQENRMADVIGTN 304
QY 221 SENLHIDL 228
Db 305 IDNIEVNI 312

RESULT 12
US-10-485-517-293
; Sequence 293, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 293
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-293

Query Match 6.6%; Score 81.5; DB 1; Length 313;
Best Local Similarity 21.1%; Pred. No. 1.4; Indels 27; Gaps 5;
Matches 27; Conservative 31; Mismatches 43
QY 109 GGVTLHNNRLTEKKVPINLWIDGKQTV--PIDKVKTSKKEVTVOELDLQARHYLHGK 166
Db 204 GGITKSNKKV--DHKAGVRITKDNKGITISHDVSEFKITKEQISLKELOPKLRKQLIEK 261
QY 167 FGLYNSDSFGKVGQGLIVFHSSSEGSTVSVDLFDAGQGYPTLLRIYRDNT-----IN 220
Db 262 NNLY-----GNVSGKIVIMKNG-----GKYTFELHKKLQENRMADVIGTN 304
QY 221 SENLHIDL 228
Db 305 IDNIEVNI 312

RESULT 13
US-11-045-802-32
; Sequence 32, Application US/11045802
; Publication No. US20050257289A1
; GENERAL INFORMATION:
; APPLICANT: Gordon-Kamm, William
; APPLICANT: Helentjaris, Tim
; APPLICANT: Lowe, Keith
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell
; APPLICANT: Zheng, Peizhong
; TITLE OF INVENTION: AP2 Domain Transcription Factor ODP2 (Ovule Development Protein 2)
; TITLE OF INVENTION: and Methods of Use
; FILE REFERENCE: 035718/286074
; CURRENT APPLICATION NUMBER: US/11/045,802
; CURRENT FILING DATE: 2005-01-28
; PRIOR APPLICATION NUMBER: 60/541,122
; PRIOR FILING DATE: 2004-02-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 579

; TYPE: PRT
; ORGANISM: Brassica napus
US-11-045-802-32
Query Match 6.6%; Score 81.5; DB 7; Length 579;
Best Local Similarity 21.0%; Pred. No. 2.9; Indels 57; Gaps 8;
Matches 42; Conservative 29; Mismatches 72
QY 33 NEKAITENKESDD-----QFLENTLLFKGFFTGHPW---YNDLLVDLGSKDATN 78
Db 179 NNNVVAQKTIIDSVETPKKTIIESFGQRTSIYIG-VTRHRWTGRYEHLNDNSCKREGQ 237
QY 79 KYGKKVDLYGAYGYQCAGTPNKTCMVGVTLDHNNRLTEKKVPINLWIDGKQTV 138
Db 238 TRKGRQVYL--GGYDKEEKAARAYDLAALKYWGTTTTTTFPMSEYEK-----282
QY 139 PIDKVKTSKKEVTVOELDLQ-----RHYLHCKFGLY-----NSDSFGGK 178
Db 283 EVEEMKHMTRQEYVASLRRKSSGFSRGASIVRGVTRHHQHRQWARIGRVAGNKDLYLG- 341
QY 179 VQRGLIVFHSSSEGSTVSVDL 198
Db 342 -----TFGTQEAAEAYDI 355

RESULT 14
US-10-793-626-2494
; Sequence 2494, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2494
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2494

Query Match 6.3%; Score 78; DB 1; Length 392;
Best Local Similarity 23.2%; Pred. No. 3.6; Indels 38; Gaps 9;
Matches 42; Conservative 30; Mismatches 71
QY 40 NKESDDQFLENTLLFK-----GPTGHPWNTDLLVDLGSKDATNKYKGGKVDLYGAY 91
Db 115 SKKDGDDFLKNGGILREKGTTPSAAGFRIDTGYNNNDPLDKIQAGQGYRG-----YGT 169
QY 92 YGYQCAG-----GTPNKTCMVGVTLDH--NNRLTEKKVPINLWIDGKQ---TTVPI 140
Db 170 VKNDSQNTSKVSGSGTPTDFLNYADNTTNDLQKFGKLNKNNVKNASNTFTATYA 229
QY 141 DKVKTSKKEVTVOELDL---QARHYL--HGKFGLYNSDSFGGKVGQGLIVFHSSSEGSTVS 195
Db 230 GKTWTA---TLSELGLSPTDSYNFLVTSQYNGNSGTYASGVWRA-----DLDGATLT 280
QY 196 Y 196
Db 281 Y 281

RESULT 15
US-10-510-386-20
; Sequence 20, Application US/10510386
; Publication No. US20050244922A1

Wed Nov 30 08:17:04 2005

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; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groth
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Ejnarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510,386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 20
; LENGTH: 585
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
;
US-10-510-386-20

Query Match      6.3%; Score 78; DB 1; Length 585;
Best Local Similarity 26.0%; Pred. No. 5.9;
Matches 45; Conservative 27; Mismatches 73; Indels 28; Gaps 9;

Qy 56 GFTGHPWYNDLLVLDLGSKDATKYGK-KVDLYGAVYGYQCAGGT-----PNKTA 105
Db 421 GFHTADWRNDI---SGTGKLTKKGTGALKLEGDNTY-----SGGTRIDQGTLEGGSETA 472

Qy 106 CMYGGVTLHDNNRLTEKKVPINLWIDG--KQTTVPIDKVKTSKEVTVQELDLQARHYL 163
Db 473 FGRGDVAL--NGGILKE-DAPGKLIIEGDYKQSAKGILEQLSGKK---DQLKIKGKARL 526

Qy 164 HGKFGLYNSDSFGGKVQORLIVFHSSEGSTVSYDLFDAQQQYPTLLRIYRDN 216
Db 527 KGTLLRNFTDNYVPADGSAIITFRKRHGSFSSVETSGLPSKYKYKI--IYKSN 577
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Search completed: November 25, 2005, 21:03:54
Job time : 10 secs